



Utah Division of Air Quality  
New Source Review Section

Date

Form 1  
Notice of Intent (NOI)

Application for: ☐ Initial Approval Order ☒ Approval Order Modification

APPROVAL ORDER MUST BE ISSUED BEFORE ANY CONSTRUCTION OR INSTALLATION CAN BEGIN. This is not a stand alone document; please refer to UAC R307-401 and the published NOI guidebook for information on requirements of the specified information below. Please print or type all information requested. All outlined information requested must be accurate and completed before DAQ can determine that an NOI is complete and an engineering review can be initiated. If you have any questions, contact the Division of Air Quality at (801) 536-4000 and ask to speak with a New Source Review Engineer. Written inquiries may be addressed to: Division of Air Quality, New Source Review Section, P.O. Box 144820, Salt Lake City, Utah 84114-4820.

General Owner and Facility Information		R307-401-5(2)(k)
1. Filing Fee Paid*	2. Application Fee Paid*	
3. Company name and address: Tesoro Refining and Marketing Company 474 West 900 North Salt Lake City, UT 84103  Phone No.: (801) 366-2036 Fax No.: (801) 521-4965	4. Company** contact for environmental matters: Matthew Buell  Phone no.: (801) 521-4966 Email: <i>** Company contact only; consultant or independent contractor contact information can be provided in a cover letter</i>	
5. Owners name and address: Tesoro Corporation 19100 Ridgewood Parkway San Antonio, TX 78259  Phone no.: Fax no.:	6. Property Universal Transverse Mercator coordinates (UTM), including System and Datum: Easting: 423,400  Northing: 4,515,950  System: UTM Zone 12  Datum:	
7. County where the facility is located in: Salt Lake	8. Standard Industrial Classification Code 2911	
9. Designation of facility in an attainment, maintenance, or nonattainment area(s):  SL City CO Maint Area SL Co Ozone Maint Area SL Co PM10 NAA SL Co PM2.5 NAA SL Co SO2 NAA		

10. If request for modification, AO# to be modified: DAQE#AN0103350051-11

Date: 8/25/11

11. Identify any current Approval Order(s) for the facility **not** being modified with this request:

AO#See Attached List

Date

AO#

Date

AO#

Date

AO#

Date

12. Application for:

☒ New construction

☐ Existing equipment operating without permit

☒ Change of permit condition

☒ Modification

☐ Permanent site for Portable Approval Order

☐ Change of location

13. Construction or modification estimated start date:5/1/12

Estimated completion date:10/1/13

R307-401-5(2)(h)

14. Does this application contain justifiable confidential data? ☒ Yes ☐ No

15. Current Title V (Operating Permit) Identification:

Date

☐ Requesting an enhanced Title V permit with this AO modification

16. Brief (50 words or less) description of project to post on DAQ web for public awareness

The Project will add Black Wax crude unloading facilities and include changes to the Crude Unit, Fluidized Catalytic Cracking Unit, and Distillate Desulfurization Unit. The changes will allow additional processing of Black Wax crude and will improve product yields and increase production of light products.

### Process Information

17. Appendix A: Detailed description of project including process flow diagram (Forms 2-23)

☒ Fuels and their use

☒ Equipment used in process

☒ Description of product(s)

☒ Raw materials used

☒ Operation schedules

☒ Description of changes to process (if applicable)

☒ Production rates (including daily/seasonal variances)

R307-401-5(2)(a)

18. Appendix B: Site plan of facility with all emission points and elevations, building dimensions, stack parameters included

R307-401-5(2)(e)

### Emissions Information

19. Appendix C: Emission Calculations that must include:

- ☒ Emissions per new/modified unit for each of the following: PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>x</sub>, SO<sub>x</sub>, CO, VOC, and HAPs
- ☒ Designation of fugitive and non fugitive emissions
- ☒ Major GHG Sources: Emissions per new/modified unit for GHGs (in CO<sub>2</sub>e short tons per year)
- ☒ References/assumptions for each Emission Factor used in calculating Criteria pollutant, HAP, and GHG emissions
- ☒ HAP emissions (in pounds per hour and tons per year) broken out by specific pollutant and summed as a total

R307-401-5(2)(b)

20. Appendix D: DAQ Form 1a or equivalent (comparison of existing emissions to proposed emission and resulting new total emissions)

21. Appendix E: Source Size determination (Minor, Synthetic Minor, Major, or PSD)

- ☒ If an Existing Major Source: Determination of Minor, Major or PSD modification

22. Appendix F: Offset requirements (nonattainment/maintenance areas)

- ☐ Acquired required offsets

R307-401-420 & R307-401-421

### Air Pollution Control Equipment Information

23. Appendix G: Best Available Control Technology (BACT) analysis for the proposed source or modification

R307-401-5(2)(d)

24. Appendix H: Detailed information on all new/modified equipment controls. It is strongly recommended using DAQ forms as they outline required information, but something equivalent to the DAQ forms is acceptable.

R307-401-5(2)(c)

25. Appendix I: Discussion of Federal/State requirement applicability (NAAQS, SIP, NSPS, NESHAP, etc)

### Modeling Information

26. Appendix J: Emissions Impact Analysis (if applicable)

R307-410-4

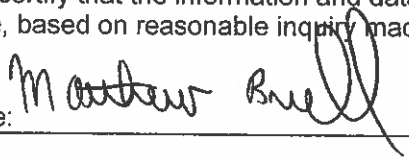
### Electronic NOI

27. A complete and accurate electronic NOI submitted

R307-401-5(1)

I hereby certify that the information and data submitted in and with this application is completely true, accurate and complete, based on reasonable inquiry made by me and to the best of my knowledge and belief.

Signature:



Title: Manager, Health Safety and Environment

Matthew Buell  
Name (print)

801.521.4966  
Telephone Number:

10/11/11  
Date:

*\*with the exception of Federal Agencies who will be billed at completion of the project*

**Form 1 (NOI) Continued**

4. Company Contact Email: [matthew.w.buell@tsocorp.com](mailto:matthew.w.buell@tsocorp.com)

11. Current Approval Orders not being modified:

DAQE-0179-94

DAQE-0741-93

DAQE-0742-93

DAQE-378-96

DAQE-AN0103350042-08



## Utah Division of Air Quality

# NOTICE OF INTENT COMPLETENESS CHECKLIST

TO BE COMPLETED BY PROJECT ENGINEER WITHIN 30 DAYS OF RECEIPT OF THE NOTICE OF INTENT (NOI). CRITERIA DERIVED FROM R307-401-5, UTAH ADMINISTRATIVE CODE (UAC). ANY NEGATIVE RESPONSE WILL CAUSE APPLICATION TO BE DELAYED. ALL REFERENCES ARE TO THE UAC EXCEPT AS NOTED.

Project Name:

Date:

1. Fees Paid
  - A. Filing Fee Cover letter Y ☐ N ☐
  - B. Application Fee Y ☐ N ☐
2. Source Identification Information: [R307-401-5(2)(k)]
  - A. Name, address, and telephone number (w/area code) Y ☐ N ☐
  - B. Company submitting application Y ☐ N ☐
  - C. Plant manager and/or Company contact Y ☐ N ☐
  - D. Plant (if different from Company) Y ☐ N ☐ N/A ☐
  - E. Company owner and agent Form 1 Y ☐ N ☐
  - F. Property UTM coordinates General information in Sections 1.0 and 2.1 Y ☐ N ☐
  - G. County where facility is located Y ☐ N ☐
  - H. SIC Code(s) Y ☐ N ☐
  - I. Facility area designation (attainment, maintenance, or nonattainment) Y ☐ N ☐
3. If modification, AO# to be modified [R307-401-5(2)(k)] Form 1  
Sections 1.0 and 4.13 Y ☐ N ☐ N/A ☐
  - A. Other current Approval Order(s) for facility not being modified Y ☐ N ☐ N/A ☐
  - B. Current Title V (Operating Permit) Form 1  
Section 1.0 Y ☐ N ☐ N/A ☐
4. Purpose of application [R307-401-5(2)(a)] Y ☐ N ☐
5. Construction schedule [R307-401-5(2)(h)] Form 1  
Section 2.4 Y ☐ N ☐ N/A ☐
6. Justifiable confidential data Specific process throughputs - CBI copy submitted Y ☐ N ☐ N/A ☐
7. Description of Source Process. [R307-401-5(2)]
  - A. Detailed description of project: [(Appendix A) (Forms 2-23)]
    1. Fuels and their use Y ☐ N ☐
    2. Raw materials used Y ☐ N ☐ N/A ☐
    3. Description of product(s) Section 2.0 and sub-sections Y ☐ N ☐
    4. Equipment used in process Y ☐ N ☐
    5. Operation schedules Y ☐ N ☐
    6. Description of changes to process Y ☐ N ☐ N/A ☐
    7. Production rates Y ☐ N ☐ N/A ☐

- B. Site plan of facility with, building dimensions, stack parameters included: Y ☐ N ☐  
 (Appendix B)
1. Emission points and elevations Attachment A Y ☐ N ☐  
 No stack parameters included  
 (no modeling analysis)
2. Building dimensions Y ☐ N ☐ N/A ☐
3. Stack parameters Y ☐ N ☐ N/A ☐
8. Emissions Related Information. [R307-401-(2)(b)]
- A. Emission Calculations: (Appendix C)
1. Emissions per new/modified unit for all pollutants: (PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>x</sub>, SO<sub>x</sub>, CO, VOC, and HAPs) Sections 3.0, 3.4, and Attachment B Y ☐ N ☐
2. Designation of fugitive and non-fugitive emissions Y ☐ N ☐
3. Major GHG Sources: (in CO<sub>2</sub>e short tons per year) Y ☐ N ☐ N/A ☐
4. References/assumptions for each calculation and pollutant Y ☐ N ☐
5. HAP emissions (broken out by specific pollutant in pounds per hr) Y ☐ N ☐ N/A ☐
6. Applicable Material Safety Data Sheets Y ☐ N ☐
- B. DAQ Form 1a or equivalent (Appendix D) Attachment B Y ☐ N ☐
- C. Source size determination (Appendix E) Section 3.0 and sub-sections
1. If Existing Major Source: Determination of Minor, Major, or PSD Modification Y ☐ N ☐ N/A ☐
- D. Offset requirements (nonattainment/maintenance areas) [(R307-401-420)(R307-401-421)] (Appendix F) Sections 4.10, 4.11 (not applicable) Y ☐ N ☐ N/A ☐
1. Acquired required offsets Y ☐ N ☐ N/A ☐
9. Air Pollution Control Equipment Section 4.5.1
- A. Best Available Control Technology (BACT) Analysis [R307-401-5(2)(d), (Appendix G)] Y ☐ N ☐
- B. Detailed information on new/modified equipment controls [R307-401-5(2)(c), (Appendix H)] Y ☐ N ☐
10. Federal/State requirement applicability [(NAAQS, SIP, NSPS, etc), (Appendix I)] Y ☐ N ☐ N/A ☐
11. Modeling information Section 4.0 and sub-sections
- A. Emissions Impact Analysis [(R307-410-4), (Appendix J)] Not Applicable Y ☐ N ☐ N/A ☐
12. Signature on application (Form 1 Notice of Intent) Form 1 Y ☐ N ☐